

FIG. 1

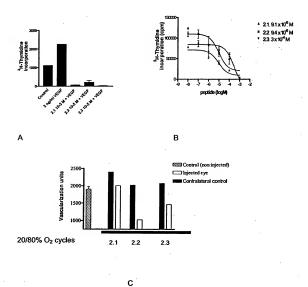
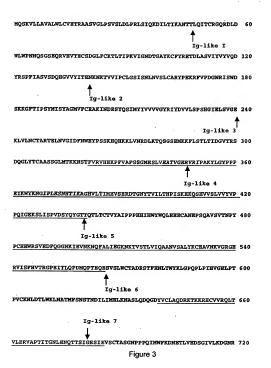


FIG. 2



NLTIRRVRKEDEGLYTCQACSVLG(AKVRAFFIIEGAOSKTVLEI) ILVGTAVIAMPFWL 780

LLVIILRTVKRANGGELKTGYLSIVMDPDBLPLDEHCERLPYDASKWBFPRDRLKLGKPL 840

GRGAFGQVIEADAFGIDKTATCRTVAVXMLKEGATHSKHRALMSELKILIHIGHHLNVVN 900

LLGACTKPGGPLMVIVEFCKFGNLSTYLRSKRNEFVPYKTKGARFRQGKDYVGAIPVDLK 960

RRLDSITSSQSSASSGFVEEKSLSDVEEERAPEDLYKDPLTLEHLICYSFQVAKGMEFLA 1020

SRKCIHRDLAARNILLSEKNVVKICDFGLARDIYKDPDYVRKGDARLPLKWMAPETIFDR 1080

VYTIQSDVWSFGVLLMEIFSLGASPYPGVKIDEEPCRRLKGTTRNRAPDYTTPEMYQTML 1140

DCWHGEPSQRPTFSELVEHLGNLLQANAQQDGKDYIVLPISETLSMEEDSGLSLPTSPVS 1200

GMVLASEELKTLEDRTKLSPSFGGMVPSKSRESVASEGSNQTSGYQSGYHSDDTDTTYVS 1320

SEEAELLKLIEIGVQTGSTAQILQPDSGTTLSSPPV

FIG. 3 continued

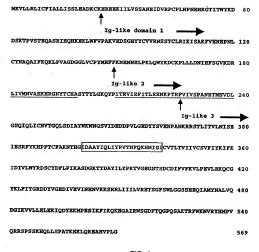


FIG. 4

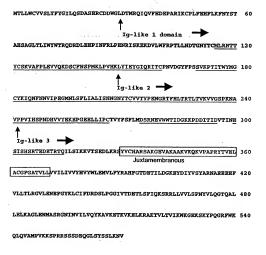


FIG. 5

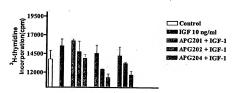
MKSGSGGGSPTSLWGLLFLSAALSLWPTSGEICGPGIDIRNDYQQLKRLENCTVIEGYLH	60
Chaîne a	
ILLISKAEDYRSYRPPKLTVITEYLLLFRVAGLESLGDLFPNLTVIRGWKLFYNYALVIF	120
· · · · · · · · · · · · · · · · · · ·	
EMTNLKDIGLYNLRNITRGAIRIEKNADLCYLSTVDWSLILDAVSNNYIVGNKPPKECGD	L80
LCPGTMEEKPMCEKTTINNEYNYRCWTTNRCQKMCPSTCGKRACTENNECCHPECLGSCS 2	240
Cyst rich domain	
APDNDTACVACRHYYYAGVCVPACPPNTYRFEGWRCVDRDFCANILSAESSDSEGFVIHD	
APDNDIACVACRRIIIAGVCVPACPPNTIRFEGWRCVDRDFCANILSAESSDSEGFVIHD 3	500
GECMQECPSGFIRMGSQSMYCIPCEGPCPKVCEBEKKTKTIDSVTSAQMLQGCTIPKGNL	860
Cyst rich domain T T L2 domain	
LINIRRGNNIASELENFMGLIEVVTGYVKIRHSHALVSLSFLKNLRLILGEBOLEGNYSF 4	120
,	,
<u> </u>	
YVLDNQNLQQLWDWDHRNLTIKAGKMYFAFNPKLCVSEIYRMEEVTGTKGRQSKGDINTR 4	180
NNGERASCESDVLHFTSTTTSKNRIIITWHRYRPPDYRDLISFTVYYKRAPFKNVTEYDG 5	40
L2 ↑ ↑ FbnIII-1	
QDACGSNSWNMVDVDLPPNKDVEPGILLHGLKPWTQYAVYVKAVTLTMVENDHIRGAKSE 6	00
garagas and a second and a second and a second and a second as a s	
ILYIRTNASVPSIPLDVLSASNSSSQLIVKWNPPSLPNGNLSYYIVRWQRQPQDGYLYRH 6	60
FbnIII-1 FbnIII-2a	
NYCSKDKIPIRKYADGTIDIEEVTENPKTEVCGGEKGPCCACPKTRAEKQAEKERAEYRK 7	20
VPENFLHNSIFVPRPERKRRDVMQVANTTMSSRSRNTTAADTYNITDPEELETEYPFFES 7	80
Juxtamembranaire α	••
Chaîne α / Chaîne β	
RVDNKERTVISNLRPFTLYRIDIHSCNHEAEKLGCSASNFVFARTMPARGADDIPGPVTW 8	40
FbnIII-2bdomain - FbnIII-2b  FbnIII-3 -	▶
EPRPENSIFLKWPEPENPNGLILMYBIKYGSQVEDQRBCVSRQEYRKYGGAKLNRLNPGN 9	00
	••
YTARIQATSLSGNGSWTDPVFFYVQAKTGYENFIHLIIALPVAVLLI VGGLVIMLYVPHR 9  Juxtamembranous B	60
ouxiamembranous p	
KRNNSRLGNGVLYASVNPEYFSAADVYVPDEWEVAREKITMSRELGQGSFGMVYEGVAKG 1	020



FIG. 6

MGWLCSGLLFPVSCLVLLQVASSGNMKVLQEPTCVSDYMSISTCEWKMNGPTNCSTELRL	60
D1 domain (FbnIII-like)	
${\tt LYQLVFLLSEAHTCIPENNGGAGCVCHLLMDDVVSADNYTLDLWAGQQLLWKGSFKPSEH}$	120
D1 👉	<b>†</b>
VRPRAPGNLTVHTNVSDTLLLTWSNPYPPDNYLYNHLTYAVNIWSENDPADFRIYNVTYL	180
D2 domain —	
EPSLRIAASTLKSGISYRARVRAWAQCYNTTWSEWSPSTWHNSYREPFEQHLLLGVSVS  D2 JUXtamembranous	240
${\tt CIVILAVCLLCYVSITKIKKEWWDQIPNPARSRLVAIIIQDAQGSQWEKRSRGQEPAKCP}$	300
HWKNCLTKLLPCFLEHNMKRDEDPHKAAKEMPFQGSGKSAWCPVEISKTVLWPESISVVR	360
The state of the s	
CVELFEAPVECEEEEEVEEEKGSFCASPESSRDDFQEGREGIVARLTESLFLDLLGEENG	420
GFCQQDMGESCLLPPSGSTSAHMPWDEFPSAGPKRAPPWGKEOPLHLEPSPPASPTOSPD	
GFCQQDMGESCLLPPSGSTSAHMPWDEFPSAGPKBAPPWGKEQPLHLEPSPPASPTQSPD	480
NLTCTETPLVIAGNPAYRSFSNSLSQSPCPRELGPDPLLARHLEEVEPEMPCVPQLSEPT	540
	• • •
TVPQPEPETWEQILRRNVLQHGAAAAPVSAPTSGYQEFVHAVEQGGTQASAVVGLGPPGE	600
agyrafssllassavspekcgfgassgeegykpfqdlipgcpgdpapvpvplftfgldre	660
PPRSPQSSHLPSSSPEHLGLEPGEKVEDMPKPPLPQEQATDPLVDSLGSGIVYSALTCHL	720
CGHLKQCHGQBDGGQTPVMASPCCGCCCGDRSSPPTTPLRAPDPSPGGVPLBASLCPASL	780
APSGISEKSKSSSSPHPAPGNAQSSSQTPKIVNVVSVGPTYMRVS	825

FIG. 7



Peptides concentration (logM)

В

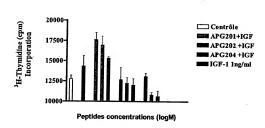
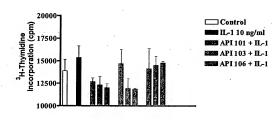
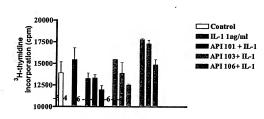


FIG. 8



Peptides concentrations (log(M))

В



Peptides concentrations (log(M))

FIG. 9

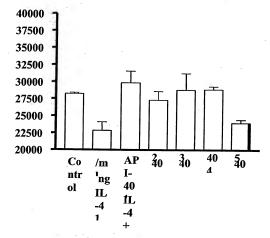


FIG. 10

	•	
IL1R_HUMAN IL1R_MOUSE IL1R_RAT IL-1R HORSE	MKVLLRLICFTALLISSLEADKCKEREEKIILVSSANEIDVRPCPLNPNEHKG-T MENNYLIGILCLWPLELS-LEIDVCTEYPROJVLEFAVNEIDIRCCFLTPNOMGEDT MENNYKLIGFICLUPVELS-LEIDVCTEYPRWISTSSYNEIDIRCCFLTPNOMGEDT MENNYTSTELLICHLILLIPLSAEKCVICNYPVLVSEPTAISCPVITLPMLHSDYN	
ILIR_HUMAN ILIR_MOUSE ILIR_RAT IL-IR HORSE	ITWYKDDSKTPVSTÉGASŘÍNGHKEKLMFVPARVEDSGHYYCVYRNSSYCLRÍKÍSAKFV IIWYKDSKTPÍSADROSSÍNGCNEHLMFVPARVEDSGYYTCÍNNSTYCLKTKYTVTÚL IIWYKROSKPÍSADROSKINGCNEHLMFVPARVEDSGYYTCÍNNSTYCLKTKÍTVSÚL ITWYKROSKPÍTTERRAHINGKROLLMFÍPALEDOSLÍFECEVRSIANSKOKTÍNLKVPÍ	
ILIR_HUMAN ILIR_MOUSE ILIR_RAT IL-1R HORSE	BRENILCHNAGAIEKOKLEVPANDOCLUCPWEFFREIBNIELBULGHYNDCKFLLLDN-I BNDPALCHTSTAFFORLHLANDSLUCPWSFFREIBNIELBFWGFWCKFLLDN-I BNDPALCHTSTAFFORLHANDSSLUCPWIJDFFNDBNIELBFWGFWCKFLLDN-O BNDPALCHTSTAFFORLHANDSSLUCPWIJDFFNDBNIELBFWGFWGFWCKFLLDN-O CRUMGLCFNGBWCTQIVKSANGKYICFDLEWFRODDINIPELHFYKECKSGFLEDKRL	
ILIR_HUMAN ILIR_MOUSE ILIR_RAT IL-IR HORSE	HFSGUVORLI MNUASKROPYCHASYTYLGGYPTTRVISTITLEENHYTRWYYSPA SFFQUVOKLUMUNASEHRODYICRWSTFROKGYPYTRVIQFITIDENKORPYILDS NFGFRNICHMANDAEBHROPYCKTSTTYGKGYPYRTVIFFITIDENKORPYINSPR VLASGENAILILWYIGKWSTCHWSTTYGKGYPYRTVIFFITIDENKORP	
ILIR_HUMAN ILIR_MOUSE ILIR_RAT IL-IR HORSE	NETHENDIAGQIQLICHYTG-QLED LAYMKHNGSVIDEDDPVLGEDYYSVENPANKREST NETIEADPGSHIQLICHYTG-QFSDLVYMKHNGSEIENNDPFLAEDQFVENPSTKKKTT NETHEADPGSIQLICHYTG-QFSDLVYMKHNGSEIENDDFLAEDQFLEHFSAKKKTT NATIEVELGSKYMKGLVSSOVYGLLEHFQYMEDVDSFDSTTREQFLEHFSAKKKT	
ILIR_HUMAN ILIR_MOUSE ILIR_RAT IL-IR HORSE	LITVLNISSIESRFYKHPPTCFAKNTHGIDANIGLIYPVTNPQKGMIGICVTLTVIIVC LITTLAHSEVKSOPTRYPPICVVNTNIFESANIQLITPVPDFNYLIGGFILIATIVC LITTLANSSVKSOPTRYPPICVNTHILETANIVLYPVPDFNYLIGGFILIATIVC SCIKPNISEVKLKDVAXKPCHTIVDSQEFTSYKKLENPYQHISVLIGGGISLIPLLFL	
ILIR_HUMAN ILIR_MOUSE ILIR_RAT IL-IR HORSE	SVFIYKIFKIDIVLMYRDSCYÖFLPIKASDGKTYDAYILYPKTYGBGSTSDCDIFVFKVL CVCIYWRYNDIVLMYRDSGSSFLDSKAGDGKTYDAYILYPKTLGBGSFSDLDTFVFKLL CACIYWRYNDIVLMYRDSGSSFLDSKASDGKTYDAYVLPFYTGBGSSFATLDTFVFKLL LILYYKIFKIDIVLMYRBSGSHPLLGKKVSDGKKYDAYVLPFDRR-ESGLYSSDIFALKIL	
ILIR_HUMAN ILIR_MOUSE ILIR_RAT IL-1R HORSE	PEVLEKQCGYKLFIYGRDDYVGEDIVEVINENVKKSRRLIIILVRETSGFSWLGGSSEEQ PEVLEQGGYKLFIYGRDDYVGEDTIEVTNENVKKSRRLIIILVRHOGFSWLGGSSEEQ PEVLEQGGYKLFIYGRDDYVGGDTIEVTNENVKKSRRLIIILVRHOGFSECLGGSEEQ PEVLEQGGYKLFIGGRBDYVGGITEVTNENVKSRRALIIILIVRHOFSCYGILEDASEG	
ILIR_HUMAN ILIR_MOUSE ILIR_RAT IL-1R HORSE	IAMYNALVQDGIKVVLLBLEKIQDYEKMPBSIKFIKQKHGAIENSGDFTQGPQSAKTEFW IAITNALIQBGIKTVLLELBKIQDYEKMPSIJFIKQGHGVICKSGDFQBRQSAKTEFW IAITDALIQBGIKTLLELBKIQDYEKMPSIJFIKQGHGAICKSGDFBRPQSAKTEFW LAVTNALIQGGIKTLLELBKIEDTSAMPESIJFIKQFCHGAIRWTGDFBRSHSASTERW	
IL1R_HUMAN IL1R_MOUSE IL1R_RAT IL-1R HORSE	KNVKYHMPVQRRSPSSKHQLLSPATKEKLQREAHVPLG KNLHXQMPAQRRSPLSKHRLLHTLDPVEDTKEKLPAATHLPLG KNKYMPAQRSPLSKHLLTLDPVEDTKEKLQAETHLPLG KKVKYHMPSRKGSSSGTHLSS	

FIGURE 11

## EENGGPCOODMGESCLLPPSGSTSAHMPWDEFPSAGPKEAPPWGKEOPLHLEPSPPASPT AENGGLGOSALAESCSPLPSGSGOASVSWACLPMGPSEEATCOVTEOPSHPGPLS-GSPA AENGGLGOSALAESCSPLPSGSGOASVSWACLPMGPSEEATCOVTEOPSHPGPLS-GSPA \*\*\*\*, \*, ;,\*\*\* .... . . . ..... OSPDNLTCTETPLVIAGNPAYRSFSNSLSOSPCPRELGPDPLLARHLEEVEPEMPCVPOL OSAPTLACTOVPLVLADNPAYRSFSDCCSPAPNPGELAPEOOOADHLEEEEPPSPADPHS OSAPTLACTOVPLVLADNPAYRSFSDCCSPAPNPGELAPEOOOADHLEEEEPPSPADPHS \* \*\*\*\* \*\* \*, \*; \*\*, ,\*,\*\*,,\*\*\*,\*\*\*\*\*\*\*,, \* ,\* \* \*\*,\*, SEPTTVPQPEPETWEQILRRNVLQHGAAAAPVSAPTSGYQEFVHAVEQGGTQASAVVGLG SGPPMQP---VESWEQILHMSVLQHGAAAGSTPAPAGGYQEFVQAVKQGAAQDPGVPGVR SGPPMOP --- VESWEO I LHMSVLOHGAAAGSTPAPAGGYQEFVQAVKQGAAQDPGVPGVR PPGEAGYKAFSSLLASSAVSPEKCGFGASSGEEGYKPFODLI PGCPGDPAPVPVPLFTFG PSGDPGYKAFSSLLSSNGIRGDTAAAGTDDGHGGYKPFONPVP----NOSPSSVPLFTFG PSGDPGYKAFSSLLSSNGIRGDTAAAGTDDGHGGYKPFONPVP----NOSPSSVPLFTFG LDREPPRS POSSHLPSSSPEHLGLE PGEKVEDMPKPPLPOEOATDPLVDSLGSGIVYSAL LDTELSPSPLNSDPPKSPPECLGLELGLKGGDWVKAPPPADQVPKPFGDDLGFGIVYSSL LDTELSPSPLNSDPPKSPPECLGLELGLKGGDWVKAPPPADOVPKPFGDDLGFGIVYSSL TCHLCGHLKOCHGOEDGGOTPVMASPCCGCCCGDRSSPPTTPLRAPDPSPGGVPLEASLC TCHLCGHLKOHHSOEEGGOSPIVASPGCGCCYDDRSPSLGSLSGALESCPEGIPPEANLM TCHLCGHLKOHHSOEEGGOSPIVASPGCGCCYDDRSPSLGSLSGALESCPEGIPPEANLM \*\*\*\*\*\*\*\*\*\* \*,\*\*,\*\*\*,\*,,\*\*\* \*\*\*\* ,\*\*\*,, ,, . . . . . . . . . . . . . PASLAPSGISEKSKSSSSFHPAPGNAOSSSOTPKIVNFVSVGPTYMRVS SAPKTPSNLS------GEGKGPGHSPVPSOTTEVPVGALGIAVS SAPKTPSNLS------GEGKGPGHSPVPSQTTEVPVGALGIAVS . \*:. . \* .\*. .. \*.\*\*. : \*\* Figure 12 Copied from 10693357 on 07/15/2004

MGWLCSGLLPPVSCLVLLOVASSGNMKVLOEPTCVSDYMSISTCEWKMNGPTNCSTELRL

MGRLCTKFLTSVGCLILLLVTGSGSIKVLGEPTCFSDYIRTSTCEWFLDSAVDCSSOLCL

MGRLCTKFLTSVGCLILLLVTGSGSIKVLGEPTCFSDYIRTSTCEWFLDSAVDCSSQLCL

LYOLVFILS-EAHTCIPENNGGAGCVCHLLMDDVVSADNYTLDLWAGOOLLWKGSFKPSE

HYRLMFFEFSENLTCI PRNSASTVCVCHMEMNRPVQSDRYQMELWAEHRQLWQGSFSPSG

HYRLMFFEFSENLICIPRNSASTVCVCHMEMNRPVQSDRYQMELWABHRQLWQGSFSPSG
\*:\*:\*: \* \*\*\*.\*..: \*\*\*\*: \*: \*\*:\*\*\* :: \*\*:\*\*\*.\*\*

HVKPRAPGNLTVHTNVSDTLLLTWSNPYPPDNYLYNHLTYAVNIWSENDPADFRIYNVTY

NVKPLAPDNLTLHTNVSDEWLLTWNNLYPSNNLLYKDLISMVNISREDNPAEFIVYNVTY

NVKPLAPDNLTLHTNVSDEWLLTWNNLYPSNNLLYKDLISMVNISREDNPAEFIVYNVTY

LEPSLRIAASTLKSGISYRARVRAWAOCYNTTWSEWSPSTKWHNSYREPFEOHLLLGVSV

KEPRLSPPINILMSGVYYTARVRVRSOILTGTWSEWSPSITWYNHFOLPLIORLPLGVTI

KEPRLSFPINILMSGVYYTARVRVRSQILTGTWSEWSPSITWYNHFQLPLIQRLPLGVTI

SCIVILAVCLLCYVSITKIKKEWWDQIPNPARSRLVAIIIQDAQGSQWEKRSRGQEPAKC

SCLCIPLFCLFCYFSITKIKKIWWDQIPTPARSPLVAIIIQDAQVPLWDKQTRSQESTKY

SCLCIPLFCLFCYFSITKIKKIWWDQIPTPARSPLVAIIIQDAQVPLWDKQTRSQESTKY

PHWKNCLTKLLPCFLEHNMKRDEDPHKAAKEMPFOGSGKSAWCPVEISKTVLWPE--SIS

PHWKTCLDKLLPCLLKHRVKKKTDFPKAAPTKSLQSPGKAGWCPMEVSRTVLWPENVSVS PHWKTCLDKLLPCLLKHRVKKKTDFPKAAPTKSPQSPGKAGWCPMEVSRTVLWPENVSVS

VVRCVELFEAPVECEEEEEVEEEKGSFCASPESSRDD-FQEGREGIVARLTESLFLDLLG

VVRCMELFRA PVONVERERDET VKRDLSMS PENSGGGGFORSOADT MARL/TENLFSDLLR

VVRCMELFEAPVONVEEEEDBIVKEDLSMSPENSGGGFGESQADIMARLTENLFSDLLB

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. \*..\*\*;.\*\*\*;\*;\*;\*\*\*\*\*

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.... ........ ..... .....

\*\*\*\*,\*\* \*\*\*\*\*,\*,\*,,\*,, \* \*\*\*

IL4R HUMAN

IL4R\_MOUSE

IL4R HUMAN

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ILAR HUMAN

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IL4R\_MOUSE

IL4R HUMAN

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IL-4R HORSE

IL-4R HORSE

TI.-4R HORSE

IL-4R HORSE

IL-4R HORSE

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IL-4R HORSE

VGR2 HUMAN	MQSKVLLAVALWLCVETRAASVGLPSVSLDLPRLSIQKDILTIKANTTLQITCRGORDLD
VGR2 MOUSE	MESKALLAVALWFCVETRAASVGLPGDFLHPPKLSTQKDILTILANTTLOITCRGORDLD
VGR2_RAT	MESRALLAVALWFCVETRAASVGLPGDSLHPPKLSTQKDILTILANTTLQITCRGQRDLD
VGR2 QUAIL	MELGPLRVLTVLLCLAPVFAGLFISMDQPTLSIQKSVLTITTNDTLNITCSGQRAVY
.om_gone	
	* .: : * * :, * ** **.:*** :* **:*** *** :
VGR2 HUMAN	WLWPNNQSGSEQRVEVTECSDGLFCKTLTIPKVIGNDTGAYKCFYRETDLASVIYVYV
VGR2 MOUSE	WLWPNAQRDSEERVLVTECGGGDSIFCKTLTIPRVVGNDTGAYKCSYRDVDIASTVYVYV
VGR2_RAT	WLWPNTPRDSEERVLVTECGDSIFCKTLTVPRVVGNDTGAYKCFYRDTDVSSIVYVYV
VGR2 QUAIL	WSWPNNQSSVEKRLAVTGCSEGPFCKTLTLLRVIGNDTGDYRCLYGDSQAATTIYVYV
	* *** . *:*: ** *. :. ****** :*:**** *:* * : :::::****
VGR2_HUMAN	QDYRSPFIASVSDQHGVVYITENKNKTVVIPCLGSISNLNVSLCARYPEKRFVPDGNRIS
VGR2 MOUSE	RDYRSPFIASVSDQHGIVYITENKNKTVVIPCRGSISNLNVSLCARYPEKRFVPDGNRIS
VGR2 RAT	ODHRSPFIASVSDEHGIVYITENKNKTVVIPCRGSISNLNVSLCARYPEKRFVPDGNRIS
	QDYRSPFVTSVGDQLGIVYITKNKTVVVPCLGTVSNLNVSLHAKYPEKVFVPDGKSIS
VGR2_ QUAIL	
VGR2 HUMAN	WDSKKGFTIPSYMISYAGMVFCEAKINDESYQSIMYIVVVVGYRIYDVVLSPSHGIELSV
VGR2_MOUSE	WDSEIGFTLPSYMISYAGMVFCEAKINDETYQSIMYIVVVVGYRIYDVILSPPHEIELSA
VGR2_RAT	WDSEKGFTIPSYMISYAGMVFCEAKINDETYQSIMYIVLVVGYRIYDVVLSPPHEIELSA
VGR2_QUAIL	WDNKKGFTIPSHLINYAGMVFCEAKIDNESYQSVIYIVAVVGYRIYDLTMNPHYQVELAV
	**,; ***;**;;*,*********;;*;***;;*** *******; ;,* ; ;**;,
VGR2 HUMAN	GEKLVLNCTARTELNVGIDFNWEYPSSKHQHKKLVNRDLKTQSGSEMKKFLSTLTIDGVT
VGR2 MOUSE	GEKLVLNCTARTELNVGLDFTWHSPPSKSHHKKIVNRDVKPFPGTVAKMFLSTLTIESVT
VGR2_RAT	GEKLVLNCTARTELNVGLDFSWQFPSSKHQHKKIVNRDVKSLPGTVAKMFLSTLTIDSVT
VGR2_QUAIL	GEKLVLNCTVRTELNVGIDFRWDYPSIKERRATIRDLKTTAGEIKTFVSTLTIESVN
	***************************************
VGR2 HUMAN	RSDOGLYTCAASSGLMTKKNSTFVRVHEKPFVAFGSGMESLVEATVGERVRIPAKYLGYP
VGR2_MOUSE	KSDQGEYTCVASSGRMIKRNRTFVRVHTKPFIAFGSGMKSLVEATVGSQVRIPVKYLSYP
VGR2_RAT	KSDQGEYTCTAYSGLMTKKNKTFVRVHTKPF1AFGSGMKSLVEATVGSQVR1PVKYLSYP
VGR2_QUAIL	LSDKGRYTCAASSGRMNMKNSSYFIIHESPFIHLEK-MENVVEMKLGDTVSIPVKFKGYP
	**:* ***:* * * * : : : : : : : : : : :
VGR2_HUMAN	PPEIKWYKNGIPLESNHTIKAGHVLTIMEVSERDTGNYTVILTNPISKEKQSHVVSLVVY
VGR2_MOUSE	APDIKWYRNGRPIESNYTMIVGDELTIMEVTERDAGNYTVILTNPISMEKQSHMVSLVVN
VGR2 RAT	APDIKWYRNGRPIESNYTMIVGDELTIMEVSERDAGNYTVILTNPISMEKOSHMVSLVVN
VGR2_QUAIL	PPEAKWYKNGKVINANHTVKLGYALVITEATEKDAGNYTVVLTNPTNKMQKRHTFTLLVN
	****:** :::*:*: * *.* *.:*:*:********
VGR2 HUMAN	VPPQIGEKSLISPVDSYQYGTTQTLTCTVYAIPPPHHIHWYWQLEEECANEPSQAVSVTN
VGR2_MOUSE	VPPQIGEKALISPMDSYQYGTMQTLTCTVYANPPLHHIQWYWQLEEACSYRPGQTS
VGR2_RAT	VPPQIGEKALISPMDSYQYGTMQTLTCTVYANPPLHHIQWYWQLEEACSYRPSQTN
VGR2_QUAIL	VPPQIGENALMAPVDSYKYGSTQALTCTIYAVPPPAAVLWYWQLEEECTFSPQKVRLGAN
TONE_GONED	*******; *; *; **** * * * * * * * * * *
VGR2 HUMAN	PYPCEEWRSVEDPQGGNK1EVNKNQFAL1EGKNKTVSTLV1QAANVSALYKCEAVNKVGR
VGR2 MOUSE	PYACKEWRHVEDFQGGNKIEVTKNQYALIEGKNKTVSTLVIQAANVSALYKCEAINKAGR
VGR2_RAT	PYTCKEWRHVKDFQGGNKIEVTKNQYALIEGKNKTVSTLVIQAAYVSALYKCEAINKAGR
VGR2_QUAIL	PYACRKWKVISERKGGNQVEIKQR-VVTIAGKTKTVSTLVIQAANVSALYRCMATNRAGS
	**,*,:*::::::::::::::::::::::::::::::::
VGR2 HUMAN	GERVISFHVTRGPEITLQPDMQPTEQESVSLWCTADRSTFENLTWYKLGPQPLPIHVGEL
VGR2_MOUSE	GERVISFHVIRGPEITVQPAAQPTEQESVSLLCTADRNTFENLTWYKLGSQATSVHMGES
VGR2 RAT	GERVISFHVIRGPEITVQPATQPTERESMSLLCTADRNTFENLTWYKLGSQATSVHMGES
VGR2_QUAIL	SERVISHVTRGLEINLQPRSQLTEKDNTSLQCTADKFTFEKLSWYKLSTHVSQTPFGGL
. Jun _ Would	.****** ** **.;** * **;;, ** ***; ***;*:***.;
	,,;;;,;;-;,,;
VGR2_HUMAN	PTPVCKNLDTLWKLNATMFSN-STNDILIMELKNASLQDQGDYVCLAQDRKTKKRHCVVR
VGR2 MOUSE	LTPVCKNLDALWKLNGTMFSN-STNDILIVAFONASLODOGDYVCSAODKKTKKRHCLVK
VGR2_RAT	
	LTPVCKNLDALWKLNGTVFSN-STNDILIVAFQNASLQDQGNYVCSAQDKKTKKRHCLVK
VGR2_QUAIL	PMPVCKNLDALQKLNATVSNVNGENVTLELILRNISLQDGGDYVCIAQDKKAKTQHCLVK
	***************************************
	Figure 13

VGR2 HUMAN	OLTVLERVAPTITGNLENOTTSIGESIEVSCTASGNPPPOIMWFKDNETLVEDSGIVLKD
VGR2_HOUSE	QLIILERMAPMITGNLENQTTTIGETIEVTCPASGNPTPHITWFKDNETLVEDSGIVLRD
VGR2_ROUSE	OLVILERMAPMITGNLENOTTTIGETIEVVCPTSGNPTPLITWFKDNETLVEDSGIVLKD
	HLTVOEPLHPRLVGNLENOTTNIGETIEVLCTVNGVPPPNITWFKNSETLFEDSGIVLKD
VGR2_QUAIL	:* : * : * : * :.******** * * * * * * *
VGR2 HUMAN	GNRNLTIRRVRKEDEGLYTCQACSVLGCAKVEAFFIIEGAQEKTNLEIIILVGTAVIAMF
VGR2_MOUSE	GNRNLTIRRVRKEDGGLYTCQACNVLGCARAETLFIIEGAQEKTNLEVIILVGTAVIAMF
VGR2_RAT	GNRNLTIRRVRKEDGGLYTCQACNVLGCARAETLFIIEGVQEKTNLEVIILVGTAVIAMF
VGR2_QUAIL	GNKTLTIRRVRKEDGGLYTCLACNILGCKKABAFFSVQGAEEKTNLELIILVGTAVIAMF
	**!.********* **** **.:** :.*!:* :!*.:*****
VGR2 HUMAN	FWLLLVIILRTVKRANGGELKTGYLSIVMDPDELPLDEHCERLPYDASKWEFPRDRLKLG
VGR2_MOUSE	FWLLLVILVRTVKRANEGELKTGYLSIVMDPDELPLDERCERLPYDASKWEFPRDRLKLG
VGR2_RAT	FWLLLVILVRTVKRANEGELKTGYLSIVMDPDELPLDERCERLPYDASKWEFPRDRLKLG
VGR2_QUAIL	FWLLLVIILRTVKRANGGDMKTGYLSIIMDPDEVPIDEHCERLPYDASKWEFPRDRLKLG
	********::****** *::******:****:*:******
wana wanan	VIDA ODGA POGOVA DA DO TOUMAMODIMIANI MATE VIDA MICONIDA I MODE VA A VIDAGINI A
VGR2_HUMAN	KPLGRGAFGQVIEADAFGIDKTATCRTVAVKMLKEGATHSEHRALMSELKILIHIGHHLN
VGR2_MOUSE	KPLGRGAFGQVIEADAFGIDKTATCKTVAVKMLKEGATHSEHRALMSELKILIHIGHHLN
VGR2_RAT	KPLGRGAFGQVIEADAFGIDKTATCKTVAVKMLKEGATHSEHRALMSELKILIHIGHHLN
VGR2_QUAIL	KPLGRGAFGQVIEADAFGIDKTATCRTVAVKMLKEGATHSEHRALMSELKILIHIGHHLN
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VGR2_HUMAN	VVNLLGACTKPGGPLMVIVEFCKFGNLSTYLRSKRNEFVPYKTKGARFRQGKD-YVGAIP
VGR2_MOUSE	VVNLLGACTKPGGPLMVIVEFSKFGNLSTYLRGKRNEFVPYKSKGARFRQGKD-YVGELS
VGR2_RAT	VVNLLGACTKPGGPLMVIVEFCKFGNLSTYLRGKRNEFVPYKSKGARFRSGKD-YVGELS
VGR2_QUAIL	VVNLLGACTKPGGPLMVIVEYCKFGNLSAYLRSKRSEFIPYKMKSARFRQGKENYTGDIS
	-**************************************
VGR2_HUMAN	VDLKRRLDSITSSQSSASSGFVEEKSLSDVEEEEAP-EDLYKDFLTLEHLICYSFQVAKG
VGR2_MOUSE	VDLKRRLDSITSSQSSASSGFVEEKSLSDVEEEEAS-EELYKDFLTLEHLICYSFQVAKG
VGR2_RAT	VDLKRRLDSITSSQSSASSGFVEEKSLSDVEEEEAS-EELYKDFLTLEHLICYSFQVAKG
VGR2_QUAIL	TDLKQRLDSITSSQSSTSSGFVEERSLSDVEEEDAGSEDLCKNPLTMEDLICYSFQVARG
	.,***;*********;******;******;* *;* *; **;*,*******;*
VGR2_HUMAN	MEFLASRKCIHRDLAARNILLSEKNVVKICDFGLARDIYKDPDYVRKGDARLPLKWMAPE
VGR2_MOUSE	MEFLASRKCIHRDLAARNILLSEKNVVKICDFGLARDIYKDPDYVRKGDARLPLKWMAPE
VGR2_RAT	MEFLASRKCIHRDLAARNILLSEKNVVKICDFGLARDIYKDPDYVRKGDPRLPLKWMAPE
VGR2_QUAIL	MEFLASRKCIHRDLAARNILLSDNNVVKICDFGLARDIYKDPDYVRKGDARLPLKWMAPE
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VGR2_HUMAN	TIFDRVYTIQSDVWSFGVLLWEIFSLGASPYPGVKIDEEFCRRLKEGTRMRAPDYTTPEM
VGR2_MOUSE	TIFDRVYTIQSDVWSFGVLLWEIFSLGASPYPGVKIDEEFCRRLKEGTRMRAPDYTTPEM
VGR2_RAT	TIFDRIYTIQSGVWSFGVLLWEIFSLGASPYPGVKIDEKFCRRLKEGTRMRAPDYTTPEM
VGR2_QUAIL	TIFDRVYTIQSDVWSFGVLLWEIFSLGASPYPGVKIDEEFCRRLKEGTRMRAPDYTTPEM
	· *****;****,***************************
uana manu	MORNI DANIGODO PROGRANTINI ANTI ANNO ANDRIDUTIO DE COMO COMO COMO
VGR2_HUMAN	YQTMLDCWHGEPSQRPTFSELVEHLGNLLQANAQQDGKDYIVLPISETLSMEEDSGLSLP
VGR2_MOUSE	YQTMLDCWHEDPNQRPSFSELVEHLGNLLQANAQQDGKDYIVLPMSETLSMEEDSGLSLP
VGR2_RAT	YQTMLDCWHEDPNQRPAFSELVEHLGNLLQANAQQDGKDYIVLPMSETLSMEEDSGLSLP
VGR2_QUAIL	YQTMLDCWHGDPKQRPTFSELVEHLGNLLQANVRQDGKDYVVLPLSVSLNMEEDSGLSLP
	********* ;*,***;***********,;*****;* ;*,*******
VGR2_HUMAN	TSPVSCMEEEEVCDPKFHYDNTAGISQYLQNSKRKSRPVSVKTFEDIPLEEPEVKVIPDD
VGR2_MOUSE	TSPVSCMBEBEVCDPKFHYDNTAGISHYLQNSKRKSRPVSVKTFEDIPLEBPEVKVIPDD
VGR2_RAT	TSPVSCMEEEEVCDPKFHYDNTAGISHYLQNSKRKSRPVSVKTFEDIPLEEPEVKVIPDD
VGR2_QUAIL	TSPASCKEBEEVCDPKFHYDNTAGISQYRQGSKRKSRPVSVKTFEDIPLVTT-VKVVQEE
	***.** ********************************
VGR2_HUMAN	NQTDSGMVLASEELKTLEDRTK-LSPSFGGMVPSKSRESVASEGSNQTSGYQSGYHSDDT
VGR2_MOUSE	SQTDSGMVLASEELKTLEDRNK-LSPSFGGMMPSKSRESVASEGSNQTSGYQSGYHSDDT
VGR2_RAT	SQTDSGMVLASEELKTLEDRNK-LSPSFGGMMPSKSRESVASEGSNQTSGYQSGYHSDDT
VGR2_QUAIL	nqtdsgmvlaseelktleeqdkqvkippstlapsksnesvmseasnqtsgyqsgyhsddm
	Figure 13 (continued)

Figure 13 (continued)

VGR2_HUMAN	DTTVYSSEEAELLKLIEIGVQTGSTAQILQPDSGTTLSSPPV
VGR2_MOUSE	DTTVYSSDEAGLLKMVDAAVHADSGTTLQLTSCLNGSGPVPAPPPTPGNHERGAA
VGR2_RAT	DTTVYSSDEAGLLKLVDVAGHVDSGTTLRSSPV
VGR2_QUAIL	DNMVCSSEDTELLCAQEASPTLPRCAWPGIYSPAPVASLPL
	*. * **::: ** : : :

Figure 13 (continued)